ABSTRACT

There are provided organic acid anion containing aluminum salt hydroxide particles represented by the following general formula (I):

 $M_{a}\left[Al_{1-x}M'_{x}\right]_{b}A_{z}B_{y}\left(OH\right)_{n}\cdot mH_{2}O \qquad (I)$ (wherein M is at least one cation selected from the group consisting of Na⁺, K⁺, NH⁴⁺ and H₃O⁺, M' is at least one metal cation selected from the group consisting of Cu²⁺, Zn²⁺, Ni²⁺, Sn⁴⁺, Zr⁴⁺, Fe²⁺, Fe³⁺ and Ti⁴⁺, A is at least one organic acid anion, B is at least one inorganic acid anion, and a, b, m, n, x, y and z satisfy $0.7 \le a \le 1.35$, $2.7 \le b \le 3.3$, $0 \le m \le 5$, $4 \le n \le 7$, $0 \le x \le 0.6$, $1.7 \le y \le 2.4$, and $0.001 \le z \le 0.5$, respectively.)

The particles are in the shape of grains, pairs, rectangular parallelepiped, disks (go stones), hexagonal plates, rice grains or cylinders and have a uniform particle diameter.